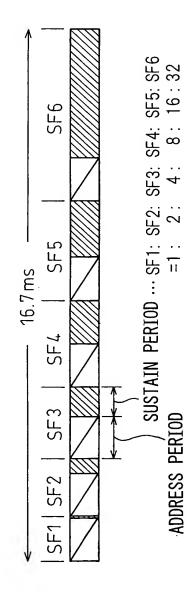
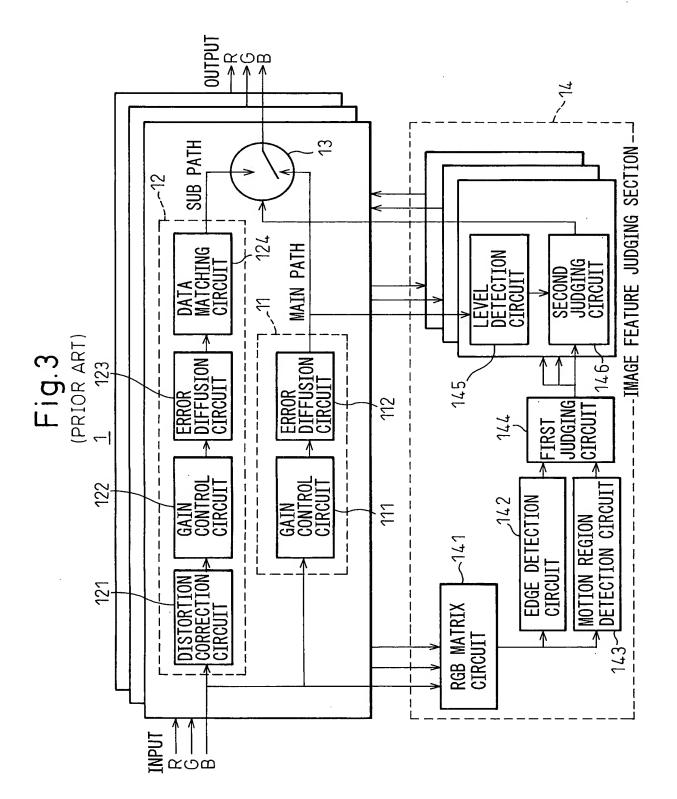
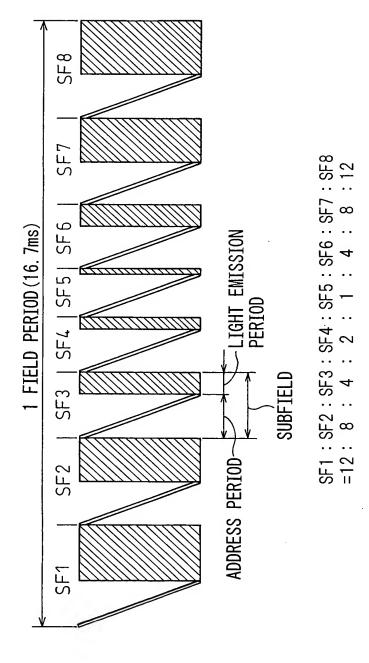


Fig.2 (PRIOR ART)







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Fig.5

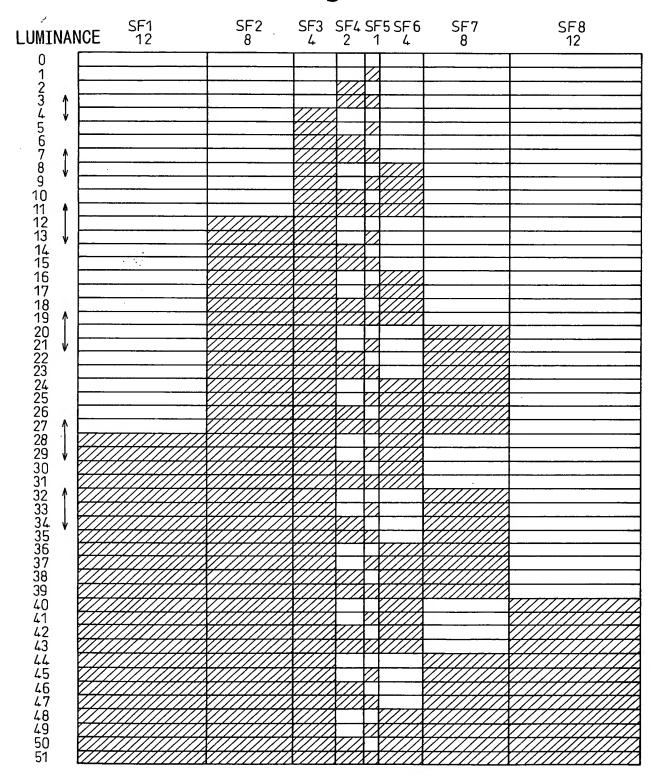
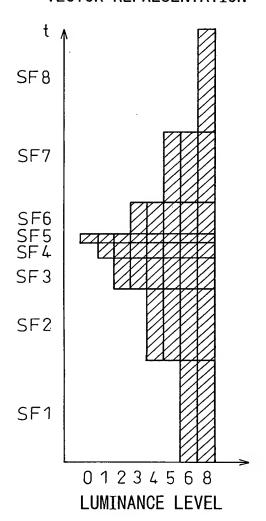
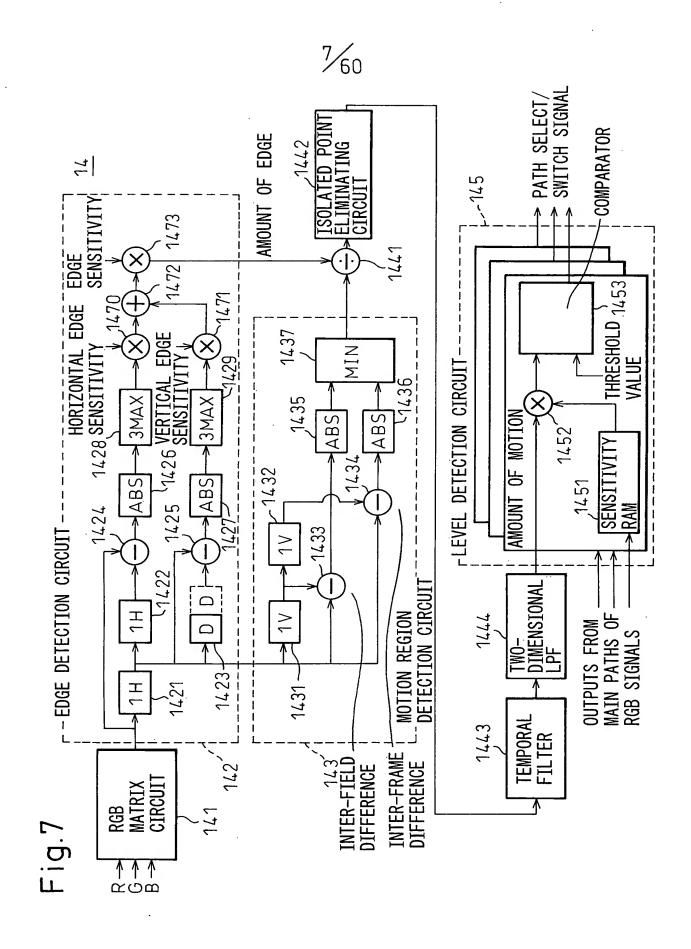
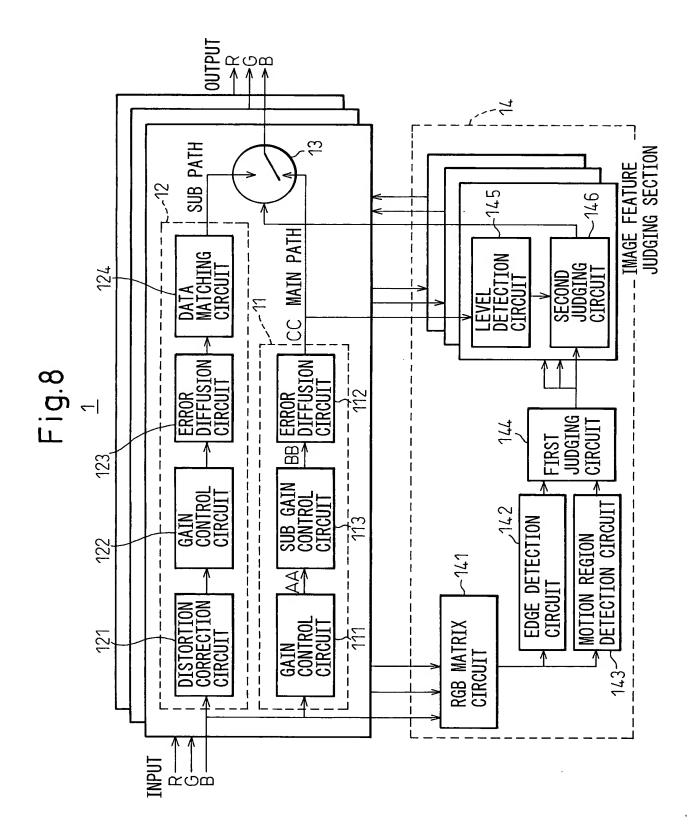


Fig.6

VECTOR REPRESENTATION







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Fig.9

		SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
		1	2	4	8	12	16	20	24	28	32
	0										
	1	0									
	2		0								
	3	0	0		<u> </u>						
	4			0							
	5	0		0							
	6		0	0							
	7	0	0	0							
(8				0						L)
	9	0			0						
	10		0		0						
	11	0	0		0						
	12			0	0						
	13	0		0	0						
	14		0	0	0						
-	15	0	0	0	0						
Ļ	16			0		0					
-	. 17	0		0		0				•	
-	18		0	0		0 (
-	19	0	0	0		0					
-	20				0	0					
-	21	0			0 (0					
-	22		0		0 (0	-			-	
-	23	0	0		0 (0					
-	24			0	0 (0					
-	25	0		0	0	00					
-	26	0	0 (0	00	0					
r	27		0	0	0		0				
4	28			0	0		0				{J
-	29	0		0	0		0				
-	30		0	0	0		0				
-	31	0	0	0		0	0				
+	32	0		0		0	0				
-	33		0	0		0	0				
+	34	0	0			0	0				
-	35		<u> </u>	0							
-	36				0	0	0				
L	37	0			0	0	0				

10/60

Fig.10

		SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
		1	2	4	8		16	20	24	28	32
	38		0		0	0	0				
	39	0	0		0	0	0				
	40			0	Ö	0	0				
	41	0		0	0	0	0				
	42		0	0	0	0	0				
_	43	0	0	0	0	0	0	!			
L	44			0	0	0		0			
	45	0		0	0	0		0			
	46		0	0	0	0		0			
	47	0	0	0	0	0		0			
	48			0	0		0	0			
	49	0		0	0		0	0			
	50		0	0	0		0	0			
	51	0	0	0	0		0	0			
	52			0		0	0	0			
	53	0		0		0	0	0			
ļ	54		0	0		0	0	0			
	55	0	0	0		0	0	0			
	56				0 ,	0	0	0			
ļ	57	0			0	0	0	0			
	58		0		0	0	0	0			
	59	0	0		0	0	0	0			
	60			0	0	0	0	0			
	61	0	0	0	.0	0	0	0			
	62	0		0	0	0	0	0			
٦	63		0								—— <u> </u>
4	64 65			0	0	0	0		0		
ŀ	66	0	0	0	0	0	0		0		
ŀ	67	0	0	0	0	0	0		0		
ŀ	68			0	0	ŏ	$\stackrel{\smile}{-}$	0	Ö	-	
ł	69	0		0	0	0		0	0		
ŀ	70		0	ŏ	0	0		0	0		
	71	0	0	0	0	0		0	0		
}	72			0	0		0	0	0		
ŀ	73	0		0	0		0	0	0		
}	74		_	0	0		0	0	0		
. }			0	0	0		0	0	0		
Ĺ	75	0	0				$\overline{}$			l	

¹¹/₆₀ Fig.11

	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
	1	2	- 4	8	12		20	24	28	32
76			0		0	0	0	0		
77	0		0		0	0	0	0		
78		0	0		0	0	0	0		
79	0	0	0		0	0	0	0		
80				0	0	0	0	0		
81	0			0	0	0	0	0		
82		0		0	0	0	0	0		
83	0	0		0	0	0	0	0		
84			0	0	0	0	0	0		
85	0		0	0	0	0	0	0		
86		0	0	0	0	0	0	0		
87	0	0	0	0	0	0	0	0		
88			0	0	0	0	0		0	
89	0		0	0	0	0	0		0	
90		0	0	0	0	0	0		0	
91	0	0	0	0	0	0	0		0	
92			0	0	0	0		0	0	
93	0		0	0	0	0		0	0	
94		0	0	Q	0	0		0	0	•
95	0	0	0	0	0	0		0	0	
96			0	0	0		0	0	0	
97	0		0	0	0		0	0	0	
98		0	0	0	0		0	0	0	
99	0	0	0	0	0		0	0	0	
100			0	0		0	0	0	0	
101	0	· ·	0	0	_	0	0	0	0	
102		0			0	0	0	0	0	
103	0	0			0	0	0	0.	0	
104			0		0 0	0	0 0	0	0	
105	0		0		0	0	0	0	1	
106		0				0			0	
107	0	0	0		0	0	0	0	0	
108				0	0		0	0	0	
109	0			0	0	0		0	0	
110		0		0	0	0	0	0	0.	
111	0	0		0	0	0	0	0	0	
112			0	0	0	0	0	0	0	
113	0		0	0	0	0	0	0	0	

Fig.12

	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
	1.	2	4	8	12	16	20	24	28	32
114		0	0	0	0	0	0	0	0	
115	0	0	0	0	0	0	0	0	0	
116			0	0	0	0	0	0		0
117	0		0	0	0	0	0	0		0
118		0	0	0	0	0	0	0		0
119	0	0	0	0	0	0	0	0		0
120			0	0	0	0	0		0	0
121	0		0	0	0	0	0		0	0
122		0	0	0	0	0	0		0	0
123	0	0	0	0	0	0	0		0	0
124			0	0	0	0		0	0	0
125	0		0	0	0	0		0	0	0
126		0	0	0	0	0		0	0.	0
127	0	0	0	0	0	0		0	0	0
128			0	0	0		0	0	0	0
129	0		0	0	0		0	0	0	0
130		0	0	0	0		0	0	0	
131	0	0	0	0	0		0	0	0	0
132			Ö	0,		0	0	0	0	0
133	0		0	0		0	0	0	0	0
134	0	0	0	0 0		0	0	0	0	0
135			0		0	0	0	0	0	-6
136 137	0		0		0	0	0	0	0	0
137		0	0		0	0	0	0	0	0
139	0	0	0		0	0	0	0	0	-
140				0	0	0	0	0	0	-
141	0			-	0	0	0	0	0	
142		0		0	0	ō	0	ō	0	-
143	0	0		0	0	0	0	0	0	0
144			0	0	0	0	0	0	0	0
145	0		0	0	0	0	0	0	0	0
146		-0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0

Fig.13

	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
	1	2	4	8	12	16	20	24	28	32
0										
1	0									
3	0	0								
7	0	0	0							
15	0	0	0	0						
27	0	0	0	0	0					
43	0	0	0	0	0	0				
63	0	0	0	0	0	0	0			
87	0	0	0	0	0	0	0	0		
115	0	0	0	0	0	0	0	0	0	
147	0	0	0	0	0	0	0	0	0	0

14/60

Fig.14

-		SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10	1
		32	28	24	20	16	12	8	4	2	_	1
	0											1
	1										0	1
	2									0		1
	3									0	0	1
	4								0			1
,	5								0 0 0		0	ĺ
	6								0	0		1
	7		ļ						0	0	0	1
(8							0				D
	9							0			0	I
	10							0		0		
	11							0		0	0	
	12							0 0 0 0 0 0 0	0			
	13							0	0 0 0 0 0 0 0		0	
	14							0	0	0		
_	15							0	0	0	0	Ļ
	16						0		0			IJ
į	17						0		0		0	
	18						0		0	0		
	19						0		0_	0	0	
	20						0	0				
	21						0	0			0	
	22			ļ			0	0		0		l
	23	ļ	<u> </u>	ļ 			0	0		0_	0	ł
	24	<u> </u>			-		0	0	0			-
	25					L	0	0	0	<u> </u>	0	
	26	ļ	<u> </u>	ļ			0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0	0		
г	27						0	0	0	0	0	
L	28					0			0			IJ
	29		<u> </u>			0		0			0	1
	30					0		0	0	0		1
	31			<u> </u>		0		0	0	0	0	
	32			ļ		0	0		0			-
	33					0 0 0	0		0		0	1
	34					0	0	<u> </u>	0	0		
	35					0	0		0	0	0	
	36					0	0	0				
	37					0	0	0			0	

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Fig.15

		SF1	SF 2	SF3	SF4	. S	F 5	SF6	SF7	SF	8	SF	9	SF1	o
		32	28	24	2	20	16				4		2		1
	38						<u> </u>	0	0			0			7
	39		,).	0	0			0		0	7
	40)))	0	0	0					1
	41					C)	0	0	0				0	7
	42)	0	0	0		0			7
_	43)	0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000000000		0		0	7
	44				0			0	0	0					$ brack egin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
	45				0000000000000000			0	0	0				0	
	46				0			0	0	0		0			
	47				0			0	0	0		0		0	
	48				0	C	<u> </u>		0	0		,			
	49				0)		0	0				0	
	50				0)	-	0	0	_	00		<u> </u>	
	51				0)		0	0		0		0	
	52				0)	0		0			_		_
	53				0)	0		0			_	0	
	54				0			0	ļ	0	_	0	4		4
	55				0	C)	000000000000000000000000000000000000000		0	_	<u>o</u>	_	0	4
	56				0	C)	0	0		_		4		4
	57				0	5	<u>) </u>	0	0		\dashv		\perp	0	_
	58				0	10	<u>) </u>	0	0		_	0	_		4
	59				0	10		0	0	_	-	<u>O</u>	\dashv	0_	-
	60				$\frac{\circ}{\circ}$	15	<u>) </u>	0	0	0			4		-
	61				$\frac{1}{2}$	15		0	0	$\frac{\circ}{\circ}$			\dashv	<u> </u>	┨
	62				$\frac{1}{2}$	1			$\frac{0}{0}$		-	00	-		-
П	63				<u>U</u>	1		$\frac{1}{2}$	$\frac{0}{0}$		\dashv	<u>U</u>	-	0	+
丩	64 65			$\stackrel{\circ}{\sim}$		+	<u> </u>		0		+		\dashv		4
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- }	70			0	0	+		0		0	\dashv	0	-	<u> </u>	1
ŀ	71			0	0	+-		0	0		1	$\frac{0}{0}$	\dashv		┨
}					0	1		<u> </u>	0		\dashv	<u> </u>	+	<u> </u>	-
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}	74			00	0	C			0	0	-		4		$\frac{1}{2}$
L	75			0	0	C			0	0		<u> </u>		<u>o_</u>]

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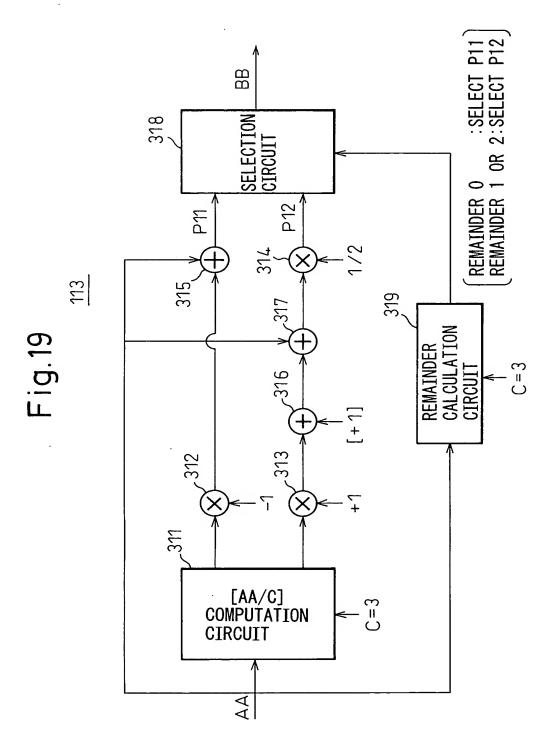
		SF1	SF		SF		SF		SF		SF	_	SF	_	SF	8	SF		SF	10
		32	:	28		24	_	20		16		2		8		4		2		1
	76				0		0		0		0				0					_
i	77				0		0		0		0	_		_	0		_		0	_
	78				0		Ō		0		0	_		_	0	_	00			_
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	83			_	$\frac{\circ}{\circ}$		0		$\frac{\circ}{\circ}$		$\frac{\circ}{\circ}$	4	000	4	_	_	0	_	<u>0</u>	-1
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	85			_	$\frac{\circ}{\circ}$		0		$\frac{\circ}{\circ}$							4	_	_	0	\dashv
	86				$\frac{\circ}{\circ}$		0		$\frac{\circ}{\circ}$		$\frac{\circ}{\circ}$	4	$\frac{\circ}{\circ}$	4	$\frac{\circ}{\circ}$	-	0	_	_	\dashv
г	87			-	$\underline{\circ}$		$\frac{\circ}{\circ}$	_	$\frac{\circ}{\circ}$		$\frac{\circ}{\circ}$	\dashv	$\frac{\circ}{\circ}$	-	$\frac{\circ}{\sim}$	-	0	_	0	
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	90			\dashv			$\frac{\circ}{\circ}$	\dashv	$\frac{9}{2}$		쓹	+	쓹	-	$\frac{\circ}{\sim}$	\dashv	$\overline{}$	-	0	\dashv
}	91		0	\dashv		\dashv	$\stackrel{\smile}{\sim}$	\dashv	쓹	-	$\stackrel{\smile}{\sim}$	\dashv	쓹	-	$\stackrel{\smile}{\sim}$		<u>0</u>	\dashv	$\overline{}$	4
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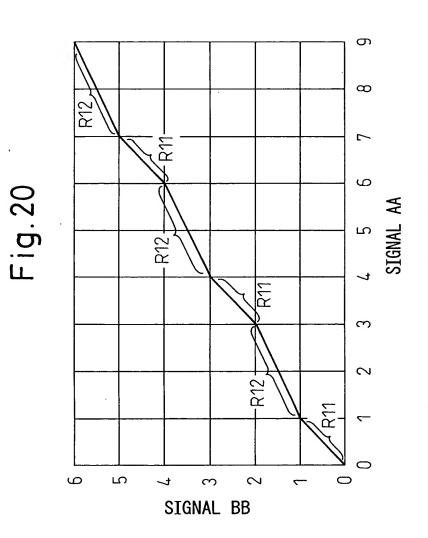
Fig.17

		SF1	SF 2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
		32	28	24	20	16	12	8	4	2	1
	114		0	0	0	0	0	0	0	0	
Γ	115		0	0	0	0	0	0	0	0	0
	116	0		0	0	0	0	0	0		
L	117	0		0	0	0	0	0	0		0
	118	0		0	0	0	0	0	0	0	
	119	0		0	0	0	0	0	0	0	0
L	120	0	0		0	0	0	0	0		
L	121	0	0		0	0	0	0	0		0
L	122		0		0	0	0	0	0	0	
L	123		0		0	0	0	0	0	0	0
L	124		0	0		0	0	0	0		
L	125	0	0	0		0	00000	0	00		0
L	126	0	0	0		0	0	0	0	0	
L	127	0	0	0		0	0	0	0	0	0
L	128	0	0	0000	0		0	0	0		
L	129		0	0	0		0	0	0		0
L	130	0	0	0	0		0	0	0	0	
L		0	0	0	0	_	0	0	0	0	0
L		0	0	0	0	0		0	0		
\vdash	133		0	0	0	0		0	0		0
L	134		0	0	0	0		0	0	0	$\overline{}$
L	135		0	0	0	0		0	0	0	0
-	136	0	0	0	0	0	0		0		
 	137	00)	\cup	0	0	0		0	$\overline{}$	0
F	138	00	00	00	00	00	0		0	0	0
\vdash	139	0	0		0		00		9	<u> </u>	\subseteq
\vdash	140 141	0	00	00	00	0	0	0			0
\vdash	141	0	0		0	0	0	00			-
-		0	0	0		$\frac{1}{2}$	0	0		0	0
-	143	0	0	0	0	0 0	0	0	$\overline{}$	-	\preceq
-		_	0			00	$\stackrel{\circ}{\sim}$		0		$\overline{}$
\vdash	145	0		0	0	$\frac{\circ}{\circ}$	0	0	0	$\overline{}$	0
-	146		0		0	0 0	6	0	$\frac{\circ}{\circ}$	9	$\overline{}$
L	147	0	U	0	0	U	U	0	0	0	0

Fig.18

	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
	32	28	24	20	16	12	8	4	2	1
0										
1										0
3									0	0
7								0	0	0
15							0	0	0	0
27						0	0	0	0	0
43					0	0	0	0	0	0
63				0	0	0	0	0	0	0
87			0	0	0	0	0	0	0	0
115		0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0





<RELATIONS BETWEEN SIGNAL AA AND SIGNAL BB>
REGION R11 3 x k < <SIGNAL AA < 3 x k+1 :SLOPF1 INTER

REGION R11 $3 \times k \le SIGNAL$ AA $< 3 \times k+1$: SLOPE1 INTERCEPT-k REGION R12 $3 \times k+1 \le SIGNAL$ AA $< 3 \times (k+1)$: SLOPE1/2 INTERCEPT (1/2) \times (k+1) (k=0.1.2...)

21/60

Fig.21

**WHEN REMAINDER IS 0, P11 IS SELECTED; OTHERWISE, P12 IS SELECTED

AA	P11	P12	BB	
0	0	0.5	0	0
1	1	1	1	1
2	2	1.5	1.5	2
3	2	2.5	2	3
4	3	3	3	4
5	4	3.5	3.5	5
6	4	4.5	4	6
7	5	5	5	7
8	6	5.5	5.5	8
9	6	6.5	6	9
10	7	7	7	10
11	8	7.5	7.5	11
12	8	8.5	8	12
13	9	9	9	13
. 14	10	9.5	9.5	14
15	10	10.5	10	15
16	11	11	11	16
17	12	11.5	11.5	17
18	12	12.5	12	18
19	13	13	13	19
20	14	13.5	13.5	20
21	14	14.5	14	21
22	15	15	15	22
23	16	15.5	15.5	21
24	16	16.5	16	24
25	17	17 -	17	25
26	18	17.5	17.5	24
27	18	18.5	18	27
. 28	19	19	19	28
29	20	19.5	19.5	29
30	20	20.5	20	30
31	21	21	21	31
32	22	21.5	21.5	32
33	22	22.5	22	33
34	23	23	23	34
35	24	23.5	23.5	35
36	24	24.5	24	36
37	25	25	25	37

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Fig. 22 **WHEN REMAINDER IS 0, P11 IS SELECTED; OTHERWISE, P12 IS SELECTED

	· · · · · · · · · · · · · · · · · · ·			
AA	P11	P12	BB	
38	26	25.5	25.5	38
39	26	26.5	26	39
40	27	27	27	40
41	28	27.5	27.5	41
42	28	28.5	28	42
43	29	29	29	43
44	30	29.5	29.5	42
45	30	30.5	30	45
46	31	31	31	46
47	32	31.5	31.5	47
48	32	32.5	32	48
49	33	33	33	49
50	34	33.5	33.5	50
51	34	34.5	34	51
52	35	35	35	52
53	36	35.5	35.5	53
54	36	36.5	36	54
55	37	37	37	55
56	38	37.5	37.5	56
57	38	38.5	38	57
58	39	39	39	58
59	40	39.5	39.5	59
60	40	40.5	40	60
61	41	41	41	61
62	42	41.5	41.5	62
63	42	42.5	42	63
64	43	43	43	64
65	44	43.5	43.5	65
66	44	44.5	44	66
67	45	45	45	67
68	46	45.5	45.5	68
69	46	46.5	46	69
70	47	· 47	47	70
71	48	47.5	47.5	71
72	48	48.5	48	72
73	49	49	49	73
74	50	49.5	49.5	74
75	50	50.5	50	75
76	51	51	51	76

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**WHEN REMAINDER IS 0, P11 IS SELECTED: OTHERWISE, P12 IS SELECTED

	·			
AA	P11	P12	BB	
77	52	51.5	51.5	77
78	52	52.5	52	78
79	53	53	53	79
80	54	53.5	53.5	80
81	54	54.5	54	81
82	55	55	55	82
83	56	55.5	55.5	83
84	56	56.5	56	84
85	57	57	57	85
86	58	57.5	57.5	86
87	58	58.5	58	87
88	59	59	59	88
89	60	59.5	59.5	89
90	60	60.5	60	90
91	61	61	61	91
92	62	61.5	61.5	92
93	62	62.5	62	93
94	63	63	63	94
95	64	63.5	63.5	95
96	64	64.5	64	96
97	65	65	65	97
98	66	65.5	65.5	98
99	66	66.5	66	99
100	67	67	67	100
101	68	67.5	67.5	101
102	68	68.5	68	102
103	69	69	69	103
104	70	69.5	69.5	104
105	70	70.5	70	105
106	71	71	71	106
107	72	71.5	71.5	107
108	72	72.5	72	108
109	73	73	73	109
110	74	73.5	73.5	110
111	74	74.5	74	111
112	75	75	75	112
113	76	75.5 ·	75.5	113
114	76	76.5	76	114
115	77	77	77	115

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WHEN REMAINDER IS 0, P11 IS SELECTED; OTHERWISE, P12 IS SELECTED

AA 116 117 118	P11 78 78	P12 77.5	BB 77.5	116
117 118		77.5	77.5	110
118	78		, , ,	116
	, 0	78.5	78	117
	79	79	79	118
119	80	79.5	79.5	119
120	80	80.5	80	120
121	81	81	81	121
122	82	81.5	81.5	122
123	82	82.5	82	123
124	83	83	83	124
125	84	83.5	83.5	125
126	84	84.5	84	126
127	85	85	85	127
128	86	85.5	85.5	128
129	86	86.5	86	129
130	87	87	87	130
131	88	87.5	87.5	131
132	88	88.5	88	132
133	89	89	89	133
134	90	89.5	89.5	134
135	90	90.5	.90	135
136	91	91	91	136
137	92	91.5	91.5	137
138	92	92.5	92	138
139	93	93	93	139
140	94	93.5	93.5	140
141	94	94.5	94	141
142	95	95	95	142
143	96	95.5	95.5	143
144	96	96.5	96	144
145	97	97	97	145
146	98	97.5	97.5	146
147	98	98.5	98	147
148	99	99	99	148
149	100	99.5	99.5	149
150	100	100.5	100	150
151	101	101	101	151
152	102	101.5	101.5	152
153	102	102.5	102	153
154	103	103	103	154

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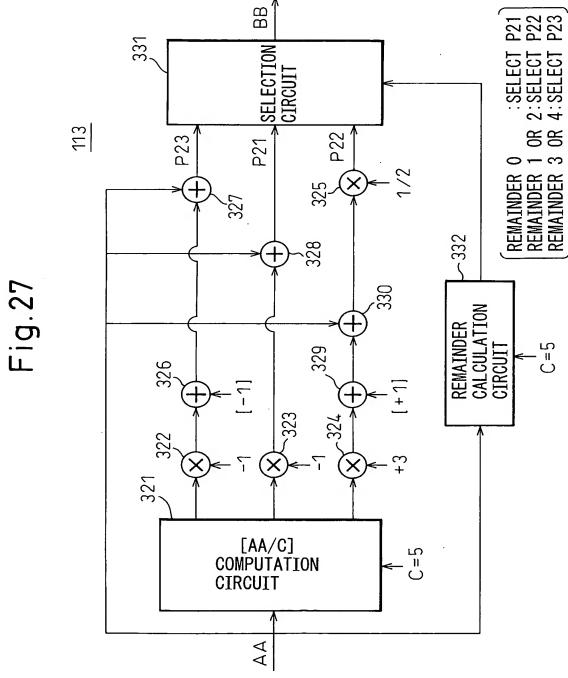
**WHEN REMAINDER IS 0, P11 IS SELECTED: OTHERWISE, P12 IS SELECTED

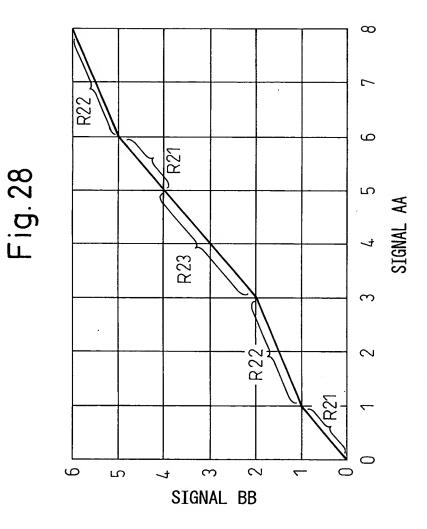
AA	P11	P12	BB	
155	104	103.5	103.5	155
156	104	104.5	104	156
157	105	105	105	157
158	106	105.5	105.5	156
159	106	106.5	106	159
160	107	107	107	160
161	108	107.5	107.5	161
162	108	108.5	108	162
163	109	109	109	163
164	110	109.5	109.5	164
165	110	110.5	110	165
166	111	111	111	166
167	112	111.5	111.5	167
168	112	112.5	112	168
169	113	. 113	113	169
170	114	113.5	113.5	170
. 171	114	114.5	114	171
172	115	115	115	172
173	116	115.5	115.5	173
174	116	116.5	116	174
175	117	117	117	175
176	118	117.5	117.5	176
177	118	118.5	118	177
178	119	119	119	178
179	120	119.5	119.5	179
180	120	120.5	120	180
181	121	121	121	181
182	122	121.5	121.5	182
183	122	122.5	122	183
184	123	123	123	184
185	124	123.5	123.5	185
186	124	124.5	124	186
187	125	125	125	187
188	126	125.5	125.5	188
189	126	126.5	126	189
190	127	127	127	190
191	128	127.5	127.5	191
192	128	128.5	128	192
193	129	129	129	193

Fig. 26

₩HEN REMAINDER IS 0, P11 IS SELECTED; OTHERWISE, P12 IS SELECTED

THE MITTER TO DELECTED					
AA	AA P11		BB		
194	130	129.5	129.5	194	
195	130	130.5	130	195	
196	131	131	131	196	
197	132	131.5	131.5	197	
198	132	132.5	132	198	
199	133	133	133	199	
200	134	133.5	133.5	200	
201	134	134.5	134	201	
202	135	135	135	202	
203	136	135.5	135.5	203	
204	136	136.5	136	204	
205	137	137	137	205	
206	138	137.5	137.5	206	
207	138	138.5	138	207	
208	139	139	139	208	
209	140	139.5	139.5	209	
210	140	140.5	140	210	
211	141	141	141	211	
212	142	141.5	141.5	212	
213	142	142.5	142	213	
214	143	143	143	214	
215	144	143.5	143.5	215	
216	144	144.5	144	216	
217	145	145	135	217	
218	146	145.5	145.5	218	
219	146	146.5	146	219	
220	147	147	147	220	





<RELATIONS BETWEEN SIGNAL AA AND SIGNAL BB>

REGION R21 $5 \times k \le SIGNAL$ AA $< 5 \times k+1$:SLOPE1 INTERCEPT-k REGION R23 $5 \times k+3 \le SIGNAL$ AA $< 5 \times (k+1)$:SLOPE1 INTERCEPT-(k+1) REGION R22 $5 \times k+1 \le SIGNAL$ AA $< 5 \times k = SLOPE1/2$ INTERCEPT(1/2) $\times (3 \times k+1)$ (k=0.1.2...)

²⁹/₆₀ Fig. 29

**WHEN REMAINDER IS 0, P21 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P22 IS SELECTED; OTHERWISE, P23 IS SELECTED

³⁰/₆₀ Fig. 30

DISPLAY

**WHEN REMAINDER IS 0, P21 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P22 IS SELECTED; OTHERWISE, P23 IS SELECTED

³¹/₆₀ Fig.31

WHEN REMAINDER IS 0, P21 IS SELECTED: WHEN REMAINDER IS 1 OR 2, P22 IS SELECTED: OTHERWISE, P23 IS SELECTED

 $^{32}_{60}$ Fig. 32

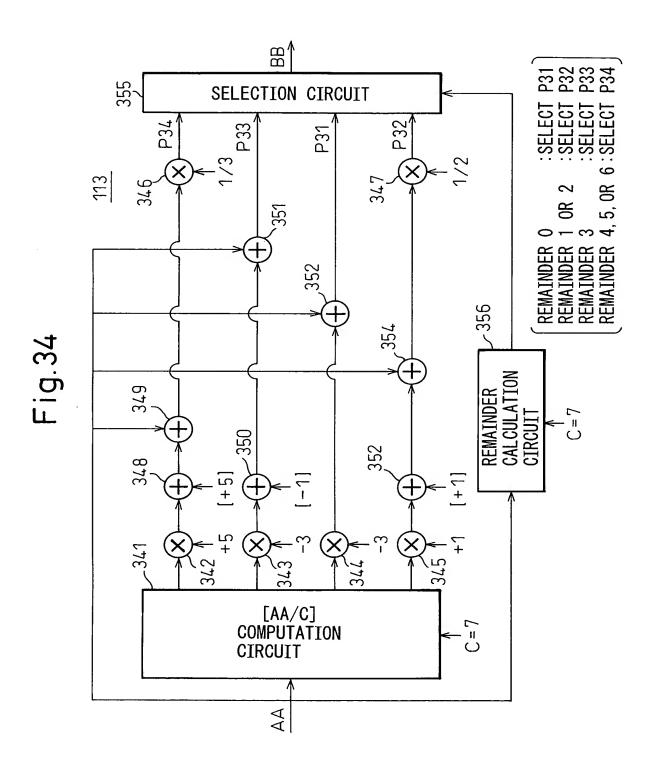
**WHEN REMAINDER IS 0, P21 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P22 IS SELECTED; OTHERWISE, P23 IS SELECTED

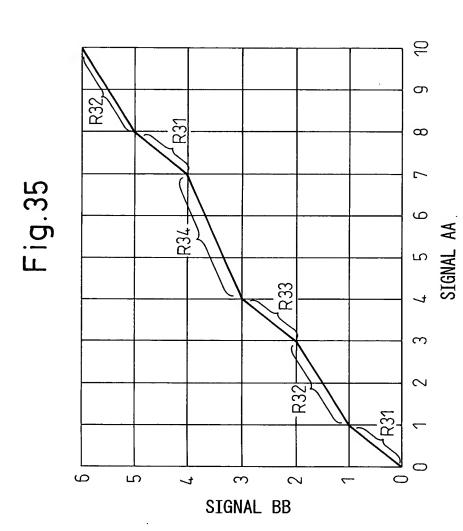
AA	P21	P22	P23	ВВ		LDTCDI AV
116	93	93	92	93	116	DISPLAY
117	94	93.5	93	93.5	117	
	95	94	94	94		
118	}			· · · · · · · · · · · · · · · · · · ·	118	
119	96	94.5	95	95		
120	96	96.5	95	96	120	
121	97	97	96	97	121	
122	98	97.5	97	97.5	122	
123	99	98	98	98	123	
124	100	98.5	99	99	124	
125	100	100.5	99	100	125	
126	101	101	100	101	126	
127	102	101.5	101	101.5	127	
128	103	102	102	102	128	
129	104	102.5	103	103	129	
130	104	104.5	103	104	130	
131	105	105	104	105	131	
132	106	105.5	105	105.5	132	
133	107	106	106	106	133	
134	108	106.5	107	107	134	
135	108	108.5	107	108	135	i
136	109	109	108	109	136	
137	110	109.5	109	109.5	137	
138	111	110	110	110	138	
139	112	110.5	111	111	139	
140	112	112.5	111	112	140	
141	113	113	112	113	141	
142	114	113.5	113	113.5	142	
143	115	114	114	114	143	
144	116	114.5	115	115	144	
145	116	116.5	115	116	145	
146	117	. 117	116	117	146	
147	118	117.5	117	117.5	147	
148	119	118	118	118	148	
149	120	118.5	119	119	149	
150	120	120.5	119	120	150	
151	121	121	120	121	151	
152	122	121.5	121	121.5	152	
153	123	122	122	122	153	
154	124	122.5	123	123	154	
L				L		

Fig.33

WHEN REMAINDER IS 0, P21 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P22 IS SELECTED; OTHERWISE, P23 IS SELECTED

→ DISPLAY





<RELATIONS BETWEEN SIGNAL AA AND SIGNAL BB>

INTERCEPT-k+3-1INTERCEPT (1/2) × (k+1) INTERCEPT (1/3) × (k+1) × 5 :SLOPE1 REGION R31 7×k ≤SIGNAL AA<7×k+1 REGION R33 7×k+3≤SIGNAL AA<7×k+4 REGION R32 7×k+1≤SIGNAL AA<7×k+3 REGION R34 7×k+4≤SIGNAL AA<7×(k+1 (k=0. 1. 2. ··)

**WHEN REMAINDER IS 0, P31 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED; WHEN REMAINDER IS 3, P33 IS SELECTED; OTHERWISE, P34 IS SELECTED

**WHEN REMAINDER IS 0, P31 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED; WHEN REMAINDER IS 3, P33 IS SELECTED; OTHERWISE, P34 IS SELECTED

**WHEN REMAINDER IS 0, P31 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED; WHEN REMAINDER IS 3, P33 IS SELECTED; OTHERWISE, P34 IS SELECTED

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**WHEN REMAINDER IS 0, P31 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED; WHEN REMAINDER IS 3, P33 IS SELECTED; OTHERWISE, P34 IS SELECTED

**WHEN REMAINDER IS 0, P31 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED; WHEN REMAINDER IS 3, P33 IS SELECTED; OTHERWISE, P34 IS SELECTED

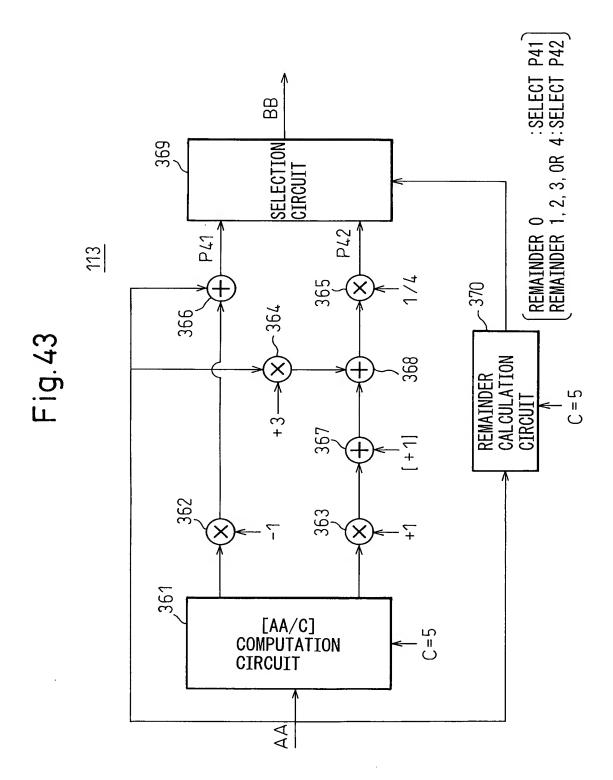
**WHEN REMAINDER IS 0, P31 IS SELECTED; WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED; WHEN REMAINDER IS 3, P33 IS SELECTED; OTHERWISE, P34 IS SELECTED

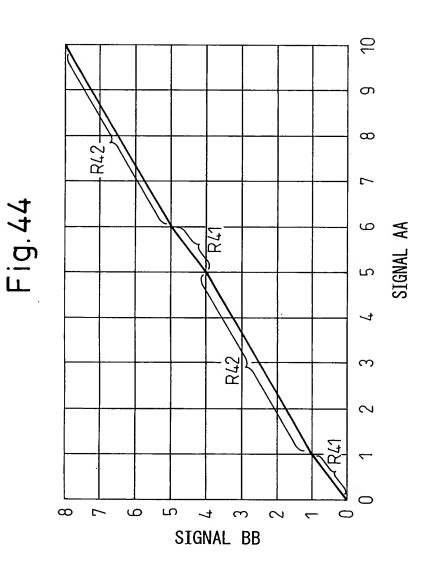
Fig.42

DISPLAY

₩HEN REMAINDER IS 0, P31 IS SELECTED;
WHEN REMAINDER IS 1 OR 2, P32 IS SELECTED;
WHEN REMAINDER IS 3, P33 IS SELECTED;
OTHERWISE, P34 IS SELECTED

AA	P31	P32	P33	P34	ВВ	
233	134	133.5	133	134.3333	133.5	233
234	135	134	134	134.6667	134	234
235	136	134.5	135	135	135	235
236	137	135	136	135.3333	135.3333	236
237	138	135.5	137	135.6667	135.6667	237
238	136	136.5	135	137.6667	136	238
239	137	137	136	138	137	239
240	138	137.5	137	138.3333	137.5	240
241	139	138	138	138.6667	138	241
242	140	138.5	139	139	139	242
243	141	139	140	139.3333	139.3333	243
244	142	139.5	141	139.6667	139.6667	244
245	140	140.5	139	141.6667	140	245
246	141	141	140	142	141	246
247	142	141.5	141	142.3333	141.5	247
248	143	142	142	142.6667	142	248
249	144	142.5	143	143	143	249
250	145	143	144	143.3333	143.3333	250
251	146	143.5	145	143.6667	143.6667	251
252	144	144.5	143	145.6667	144	252
253	145	145	144	146	145	253
254	146	145.5	145	146.3333	145.5	254
255	147	146	146	146.6667	146	255
256	148	146.5	147	147	147	256





<RELATIONS BETWEEN SIGNAL AA AND SIGNAL BB>

REGION R41 $5 \times k \le SIGNAL$ AA $< 5 \times k+1$: SLOPE1 INTERCEPT- $k \times 3$ REGION R42 $5 \times k+1 \le SIGNAL$ AA $< 5 \times (k+1)$: SLOPE3/4 INTERCEPT (1/4) \times (k+1) (k=0.1.2...)

⁴⁵/₆₀ Fig. 45

**WHEN REMAINDER IS 0. P41 IS SELECTED; OTHERWISE, P42 IS SELECTED

46/60 Fig.46

****WHEN REMAINDER IS 0, P41 IS SELECTED;** OTHERWISE, P42 IS SELECTED

47/60 Fig. 47 **WHEN REMAINDER IS 0, P41 IS SELECTED: OTHERWISE, P42 IS SELECTED

DISPLAY

AA	P41	P42	ВВ	
77	62	61.75	61.75	77
78	63	62.5	62.5	· 78
79	64	63.25	63.25	79
80	64	64.25	64	80
81	65	65	65	81
82	66	65.75	65.75	82
83	67	66.5	66.5	83
84	68	67.25	67.25	84
85	68	68.25	68	85
86	69	69	69	86
87	70	69.75	69.75	87
88	71	70.5	70.5	. 88
89	72	71.25	71.25	89
90	72	72.25	72	90
91	73	73	73	91
92	74	73.75	73.75	92
93	75	74.5	74.5	93
94	76	75.25	75.25	94
95	76	76:25	76	95
96	77	77	• 77	96
97	78	77.75	77.75	97
98	79	78.5	78.5	98
99	80	79.25	79.25	99
100	80	80.25	80	100
101	81	81	81	101
102	82	81.75	81.75	102
103	83	82.5	82.5	103
104	84	83.25	83.25	- 104
105	84	84.25	84	105
106	85	85	85	106
107	86	85.75	85.75	107
108	87	86.5	86.5	108
109	88	87.25	87.25	109
110	88	88.25	88	110
111	89	89	89	111
112	90	89.75	89.75	112
113	91	90.5	90.5	113
114	92	91.25	91.25	114
115	92	92.25	92	115

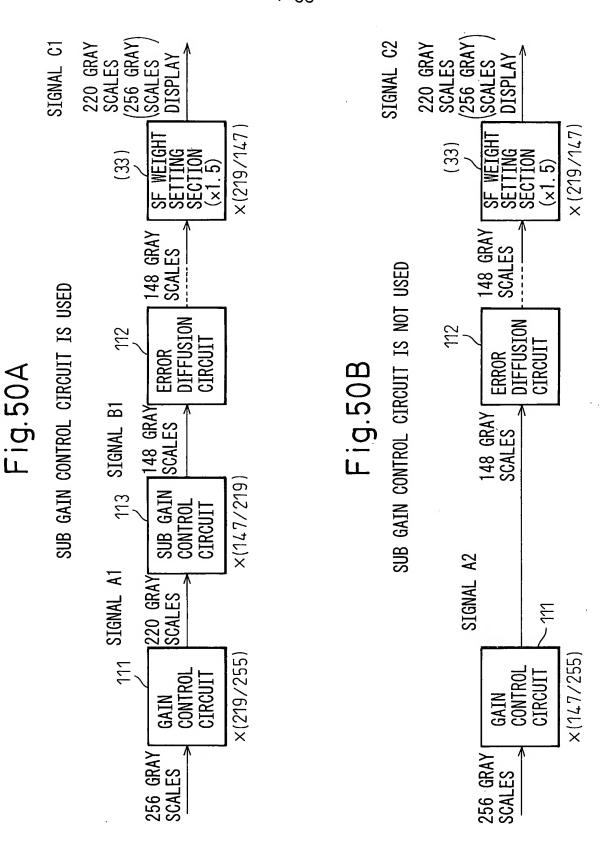
48/60 Fig. 48 **WHEN REMAINDER IS 0, P41 IS SELECTED; OTHERWISE, P42 IS SELECTED

DISPLAY

	1200, 1 12	- IO OLL	LOILD	
AA	P41	P42	BB	
116	93	93	93	116
117	94	93.75	93.75	117
118	95	94.5	94.5	118
119	96	95.25	95.25	119
120	96	96.25	96	120
121	97	97	97	121
122	98	97.75	97.75	122
123	99	98.5	98.5	123
124	100	99.25	99.25	124
125	100	100.25	100	125
126	101	101	101	126
127	102	101.75	101.75	127
128	103	102.5	102.5	128
129	104	103.25	103.25	129
130	104	104.25	104	130
131	105	105	105	131
132	106	105.75	105.75	132
133	107	106.5	106.5	133
134	108	107.25	107.25	134
135	108	108.25	108	135
136	109	109	109	136
137	110	109.75	109.75	137
138	111	110.5	110.5	138
139	112	111.25	111.25	139
140	112	112.25	112	140
141	113	113	113	141
142	114	113.75	113.75	142
143	115	114.5	114.5	143
144	116	115.25	115.25	144
145	116	116.25	116	145
146	117	117	117	146
147	118	117.75	117.75	147.
148	119	118.5	118.5	148
149	120	119.25	119.25	149
150	120	120.25	120	150
151	121	121	121	151
152	122	121.75	121.75	152
153	123	122.5	122.5	153
154	124	123.25	123.25	154
	L			

Fig.49

**WHEN REMAINDER IS 0, P41 IS SELECTED; OTHERWISE, P42 IS SELECTED



	≿	_				1								<u> </u>			~		_	~	<u> </u>	_	Gal					<u>~1</u>	<u>~</u>	رما	=1	
	_ ACCURACY		DISPLAY 2	A1-C2	0	0.28	0.43	0.15	0.14	0.43	0.29	6.01	0.29	0.42	0.14	0.15	0.43	0.28	0.01	0.3	0.42	0.14	0.15	0.44	0.27	0.01	0.3	0.43	0.13	0.16	0.44	0.28
	IGNAL ES (T	F		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ERROR OF OUTPUT SIGNAL IT 220 GRAY SCALES (, SIGNAL C2)		DISPLAY	A1-C1																												
	IIT ERROR OF O RT 220 GR . PART (,	-		7	0	0.57	1.28	2.42	3.29	3.86	4.86	0	6.58	7.3	8.44	9.29	9.87	10.88	12.01	12.58	13.32	14.46	15.3	15.87	16.9	18.02	18.59	19.32	20.48	21.31	21.88	22.9
	IRCUIT ERROI PART ONAL PAR			β	0	0.43	98.0	0.29	0.71	0.14	0.57	0	0.42	0.85	0.28	0.71	0.13	0.56	0.99	0.42	0.84	0.27	0.7	0.13	0.55	96.0	0.41	0.84	0.26	69.0	0.12	0.55
	NTROL CIRCU SCALES A2 CTIONAL PAF FRACTIONAL		-	-	0	0.57	0.14	0.71	0.29	98.0	0.43	0	0.58	0.15	0.72		0.87	0.44	0.01	0.58	0.16	0.73	0.3	0.87	0.45	0.02	0.59	0.16	0.74	0.31		0.45
	CONTROL CI BRAY SCALES SNAL A2 FRACTIONAL (FRACTIONAL	-	Ŀ	β	0			_				4																				
	SUB GAIN CONTROL CIRCUIT (147 GRAY SCALES ER (SIGNAL A2 (FRACTIONAL PART		_	,		0.57	1.14	1.71	2.29	2.86	3.43		4.58	5.15	5.72	6.29	6.87	7.44	8.01	8.58	9.16	9.73	10.3	10.87	11.45	12.02	12.59	13.16	13.74	14.3	14.8	15.45
പ്	OUT			_	0	0.85	1.71	2.57	3.43	4.29	5.15	6.01	6.87	7.72	8.58	9.44	10.3	11.16	12.02	12.88	13.74	14.6	15.45	16.31	17.17	18.03	18.89	19.75	20.61	21.47	22.32	23.18
Fig.51	~ = =	_		$1-\alpha$	0	0.15	0.645	0.215	0.57	0.855	0.425	0.99	0.13	0.64	0.21	0.56	0.85	0.42	0.98	0.12	0.63	0.2	0.55	0.845	0.415	0.97	0.11	0.625	0.195	0.53	0.84	0.41
سك	_	-		α	0	0.85	0.355	0.785	0.43	0.145	0.575	0.01	0.87	0.36	0.79	0.44	0.15	0.58	0.02	0.88	0.37	0.8	0.45	0.155	0.585	0.03	0.89	0.375	0.805	0.47	0.16	0.59
	FRACTIONAL GRAY SCALES 2) SIGNAL B1	-				0.85	1.355	1.785	2.43	3.145	3.575	4.01	4.87	5.36	5.79	6.44	7.15	7.58	8.02	8.88	9.37	9.8	10.45	11.155	11.585	12.03	12.89	13.375	13.805	14.47	15.16	15.59
	[T SALES 148 GR ATION(1)			<u> </u>	0.5	0.925	1.355	1.785	2.715	3.145	3.575	4.505	4.935	5.36	5.79	6.72	7.15	7.58	8.51	8.94	9.37	9.8	10.725	11.155	11.585	12.515	12.945	13.375	13.805	14.735	15.16	15.59
	CIRCUIT GRAY SCALES 148 GF COMPUTATION(1) (COMPUTATION(2)				0	0.85	1.71	2.57	2.43	3.29	4.15	4.01	4.87	5.72	6.58	6.44	7.3	8.16	8.02	8.88	9.74	10.6	10.45	11.31	12.17	12.03		13.75	14.61	14.47		16.18
	VTROL 220	-		_	0	0.85	1.71	2.57	3.43	4.29	5.15	6.01	6.87	7.72	8.58	9.44	10.3	11.16	12.02	12.88	13.74	14.6	15.45	16.31	17.17	18.03	18.89	19.75	20.61	21.47	22.32	23.18
	UB GAIN CON SCALES SIGNAL A1	1			0	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	WITH SUB GAIN 256 GRAY SCALES IT SIGNAL SIGNAL		E																							ا ز						
	WITH S 256 GRAY INPUT SIGNAL																															

	JRACY																														
	- ACCI		.AY 2	-C2	0.0	0.42	0.14	0.16	0.45	0.28	0.02	0.3	0.41	0.13	0.17	0.45	0.27	0.03	0.31	0.4	0.12	0.17	0.46	0.26	0.03	0.32	0.4	0.11	0.17	0.46	0.25
	SIGNAL ACCURACY	_	DISPLAY	A1-																											
			-	-C1	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OF OUTPU RAY SCALE SIGNAL C2		DISPLAY	A ₁																											
	ROR 0 G	/		-	24.03 24.6	25.34	26.48	27.32	27.89	28.92	30.03	30.61	31.36	32.5	33.32	33.9	34.94	36.04	36.61	37.38	38.52	39.33	39.9	40.96	42.05	42.62	43.4	44.54	45.34	45.91	46.98
	_				0.97	0.83	0.26	89.0	0.11	0.54	0.97	0.39	0.82	0.25	0.68	0.1	0.53	96.0	0.39	0.81	0.24	79.0	0.1	0.52	0.95	0.38	8.0	0.23	99.0	60.0	0.51
	L CIRC ES IAL PA ITIONA			-		ľ																									
	SUB GAIN CONTROL CIRCUIN (147 GRAY SCALES (SIGNAL A2 (FRACTIONAL PART (FRACTIONAL PART			B	0.03	0 17	0.74	0.32	0.89	0.46	0.03	0.61	0.18	0.75	0.32	0.0	0.47	0.04	0.61	0.19	0.76	0.33	0.9	0.48	0.05	0.62	0.2	0.77	0.34	0.91	0.49
	AIN C 7 GRAY SIGNAI 7 FR/		-		16.03	17.17	17.74	8.32	8.89	9.46	20.03	20.61	21.18	21.75	22.32	22.9	23.47	24.04	24.61	25.19	25.76	26.33	26.9	27.48	28.05	28.62	29.2	29.77	30.34	30.91	31.49
	SUB G	[']		`																											
22	F. ES			-	24.04	25.76	26.62	27.48	28.34	29.2	30.05	30.91	31.77	32.63	33.49	34.35	35.21	36.07	36.92	37.78	38.64	39.5	40.36	41.22	42.08	42.94	43.8	44.65	45.51	46.37	47.23
Fig.52	L PART WITHOU 220 GRAY SCAL FRACTIONAL PART' (SIGNAL C1				0.96	0.62	0.19	0.52	0.83	0.4	0.95	0.09	0.615	0.185	0.51	0.825	0.395	0.93	0.08	0.61	0.18	0.5	0.82	0.39	0.92	90.0	9.0	0.175	0.49	0.815	0.385
ū	PART 220 C	-		1-								0																			
	≨	\dashv	-		0.04	0.38	0.81	0.48	0.17	9.0	0.05	0.91	0.385	0.815	0.49	0.175	0.605	0.07	0.92	0.39	0.82	0.5	0.18	0.61	0.08	0.94	0.4	0.825	0.51	0.185	0.615
	FRACTIONAL GRAY SCALES (2) SIGNAL B1 FF			B	16.9	7.38	17.81	18.48	19.17	19.6	20.05	20.91	21.385	21.815	22.49	23.175	23.605	24.07	24.92	25.39	25.82	26.5	27.18	27.61	28.08	28.94	29.4	29.825	30.51	31.185	31.615
	\ \SS	_		-										Į	- 1	1															
	148 I(1) ITON(_	-	,	16.95	17.38	17.81	18.74	19.17	19.6	20.525	20.955	21.385	21.815	22.745	23.175	23.605	24.535	24.96	25.39	25.82	26.75	27.18	27.61	28.54	28.97	29.4	29.825	30.755	31.185	31.615
	CIRCUIT SCALES MPUTATION COMPUTA			3	16.9	17.76	18.62	18.48	19.34	20.2	20.05	20.91	21.77	22.63	22.49	23.35	24.21	24.07	24.92	25.78	26.64	26.5	27.36	28.22	28.08	28.94	29.8	30.65	30.51	31.37	32.23
	CONTROL CIRCU 220 GRAY SCAL COMPUTAT COMPUTAT									21		·																	\perp		
	WITH SUB GAIN CONTROL CIRCU GRAY SCALES 220 GRAY SCAL VAL SIGNAL A1 COMPUTAT	-		-	24.04	25.76	26.62	27.48	28.34	29.2	30.05	30.91	31.77	32.63	33.49	34.35	35.21	36.07	36.92	37.78	38.64	39.5	40.36	41.22	42.08	42.94	43.8	44.65	45.51	46.37	47.23
	SCALES SIGNAL A			- 6	29	8	31	32	33	34	35	36	37	38	66	\$	41	42	43	44	45	46	47	48	49	잂	21	25	23	54	55
	TTH SU AY SO L ST(-																								Ì			
	WITH SUB GA 256 GRAY SCALES SIGNAL SIGNAL																														
	WITI 256 GRAN INPUT SIGNAL																														

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ACCURACY		DISPLAY 2	-C2	0.03	0.32	0.41	0.11	0.17	0.46	0.26	0.03	0.32	0.4	0.12	0.18	0.47	0.25	0.04	0.32	0.39	0.11	0.19	0.47	0.25	0.04	0.33	0.38	0.1	0.19	0.48	0.24
IGNAL S	-	F	A1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ERROR OF OUTPUT SIGNAL T 220 GRAY SCALES PART (SIGNAL C2		DISPLAY	A1-C1													:															
OF OU	E		/	48.06	48.63	49.4	50.56	51.35	51.92	52.98	54.07	54.64	55.42	56.56	57.36	57.93	59	60.07	60.65	61.44	62.58	63.36	63.94	65.02	66.08	66.65	67.46	9.89	69.37	69.94	71.04
CIRCUIT ERROR C PART 220 ONAL PART (В	94	0.37	8.0	0.22	0.65	0.08	0.51	0.93	0.36	0.79	0.22	0.64	0.07	0.5	0.93	0.35	0.78	0.21	0.64	90.0	0.49	0.92	0.35	0.77	0.2	0.63	90.0	.48
DNTROL CIRC SCALES A2 TIONAL PAR			1-/	0																								∞.			2 0.
	_	L	β	90'0	0.63	0.2	0.78	0.35	0.92	0.49	0.07	0.64	0.21	0.78	0.36	0.93	0.5	0.07	0.65	0.22	0.79	0.36	0.94	0.51	0.08	0.65	0.23	0	0.37	0.94	0.52
SUB GAIN CO		-		32.06	32.63	33.2	33.78	34.35	34.92	35.49	36.07	36.64	37.21	37.78	38.36	38.93	39.5	40.07	40.65	41.22	41.79	42.36	42.94	43.51	44.08	44.65	45.23	45.8	46.37	46.94	47.52
UT SI	E		-	48.09	48.95	49.81	50.67	51.52	52.38	53.24	54.1	54.96	55.82	56.68	57.54	58.4	59.25	60.11	60.97	61.83	65.69	63.55	64.41	65.27	66.12	86.99	67.84	68.7	99.69	70.42	71.28
GRAY ONAL SIGI			α	0.91	0.05	0.595	0.165	0.48	0.81	0.38	6.0	0.04	0.59	0.16	0.46	8.0	0.375	0.89	0.03	0.585	0.155	0.45	0.795	0.365	0.88	0.02	0.58	0.15	0.44	0.79	0.36
~		_	-	0.09	0.95	.405	0.835	0.52	0.19	0.62	0.1	96.0	0.41	0.84	0.54	0.2	0.625	0.11	0.97	0.415	0.845	0.55	0.205	0.635	0.12	96.0	0.42	.85	.56	0.21	0.64
FRACTIONAL SCALES FF			α			0										2		_										5 0			_]
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148 N(1) FION(3		-		32.545	32.975	33.405	33.835	34.76	35.19	35.62	36.55	36.98	37.41	37.84	38.77	39.2	39.625	40.555	40.985	41.415	41.845	42.775	43.205	43.635	44.56	44.99	45.42	45.85	46.78	47.21	47.64
ONTROL CIRCUIT 220 GRAY SCALES 148 GF COMPUTATION(1) COMPUTATION(2)				32.09	32.95	33.81	34.67	34.52	35.38	36.24	36.1	36.98	37.82	38.68	38.54	39.4	40.25	40.11	40.97	41.83	42.69	42.55	43.41	44.27	44.12	44.98	45.84	46.7	46.56	47.42	48.28
rrol c 0 gray   con		E	_	60	95	81	6.7	52	38	24	54.1	96	82	68	54	58.4	25	11	97	83	69	55	41	27	12	86.99	67.84	68.7	69.56	70.42	71.28
N CON1	-	-		48.09	48.95	49.81	50.67	51.52	52.38	53.24	2,	54.96	55.82	56.68	57.54	5	59.25	60.11	60.97	61.83	62.69	63.55	64.41	65.27	66.12	99	67	9	69	2	17
WITH SUB GAIN CONTROL CIRCU AY SCALES 220 GRAY SC GNAL SIGNAL AT COMPUT			-	56	57	58	59	09	61	62	63	64	65	99	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
WITH SUB ( 256 GRAY SCALES IPUT SIGNAL SIGN	Ł	Ł									L.											ļ							l		J
WITH 256 GRAY SC INPUT SIGNAL																															

Fig.53

JRACY																																
GNAL ACCI			DISPLAY 2	1-C2	0.05	0.34	0.39	0.09	0.19	0.48	0.25	0.05	0.34	0.39	0.1	0.19	0.48	0.24	0.06	0.34	0.38	0.1	0.2	0.48	0.23	0.06	0.34	0.37	0.09	0.21	0.49	0.22
RCUIT ERROR OF OUTPUT SIGNAL ACCURACY	220 GRAY SCALES     SIGNAL C2	1	DISPLAY 1 D	A1-C1 A1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRCUIT ERROR (	220 GR RT   SIG		_ /	1	72.09	72.66	73.46	74.62	75.38	75.95	77.04	78.1	78.67	79.48	80.62	81.39	81.96	83.06	84.1	84.68	85.5	86:64	87.4	87.97	80.68	90.11	90.69	91.52	92.66	93.4	93.98	95.1
SUB GAIN CONTROL CIRCUIT GRAY SCALES ERROF	al part ² Ional part		1	$1-\beta$	0.91	0.34	0.77	0.19	0.62	0.05	0.48	0.9	0.33	0.76	0.19	0.61	0.04	0.47	0.9	0.32	0.75	0.18	9.0	0.03	0.46	0.89	0.31	0.74	0.17	9.0	0.02	0.45
UT SUB GAIN CON 147 GRAY SCALES	FRACTIONAL PA FRACTIONAL	_		.   β	0.09	0.66	0.23	0.81	0.38	0.95	0.52	0.1	0.67	0.24	0.81	0.39	96.0	0.53	0.1	0.68	0.25	0.82	0.4	0.97	0.54	0.11	69.0	0.26	0.83	0.4	0.98	0.55
WITHOUT SUB 147 GRA		IΠ	, [	,	48.09	48.66	49.23	49.81	50.38	50.95	51.52	52.1	52.67	53.24	53.81	54.39	54.96	55.53	56.1	56.68	57.25	57.82	58.4	58.97	59.54	60.11	60.69	61.26	61.83	62.4	62.98	63.55
¥	ART'		Ш	-	72.14	73	73.85	74.71	75.57	76.43	77.29	78.15	79.01	79.87	80.72	81.58	82.44	83.3	84.16	85.02	85.88	86.74	87.6	88.45	89.31	90.17	91.03	91.89	92.75	93.61	94.47	95.32
TIONAL PART 220 GRAY SCALES	FRACTIONAL PART' ( SIGNAL C1			- α	98.0	1	0.575	0.145	0.43	0.785	0.355	0.85	0.995	0.565	0.14	0.42	0.78	0.35	0.84	0.99	0.56	0.13	0.4	0.775	0.345	0.83	0.985	0.555	0.125	0.39	0.765	0.34
S (FRACT)	B1 FRAC	_	1 1		0.14	0	0.425	0.855	0.57	0.215	0.645	0.15	0.005	0.435	0.86	0.58	0.22	0.65	0.16	0.01	0.44	0.87	9.0	0.225	0.655	0.17	0.015	0.445	0.875	0.61	0.235	99.0
GRAY SCALES ( 220 GRAY SC	SIGNAL E		/ [	α	48.14	49	49.425	49.855	50.57	51.215	51.645	52.15	53.005	53.435	53.86	54.58	55.22	55.65	56.16	57.01	57.44	57.87	58.6	59.225	59.655	60.17	61.015	61.445	61.875	62.61	63.235	63.66
148	$\overline{}$				48.57	49	49.425	49.855	50.785	51.215	51.645	52.575	53.005	53.435	53.86	54.79	55.22	55.65	56.58	57.01	57.44	57.87	58.8	59.225	59.655	60.585	61.015	61.445	61.875	62.805	63.235	63.66
L CIRCUI Y SCALES	COMPUTATIC (COMPUTA				48.14	49	49.85	50.71	50.57	51.43	52.29	52.15	53.01	53.87	54.72	54.58	55.44	56.3	56.16	57.02	57.88	58.74	58.6	59.45	60.31	60.17	61.03	61.89	62.75	62.61	63.47	64.32
IN CONTROL CIRC \ 220 GRAY SCAL	)	/		i	72.14	73	73.85	74.71	75.57	76.43	77.29	78.15	79.01	79.87	80.72	81.58	82.44	83.3	84.16	85.02	85.88	86.74	87.6	88.45	89.31	90.17	91.03	91.89	92.75	93.61	94.47	95.32
WITH SUB GAIN CONTROL CIRCUIT SCALES \ 220 GRAY SCALES	SIGNAL A1			_	84	85	98	87	88	88	90	91	92	93	94	92	96	97	98	66	100	101	102	103	104	105	106	107	108	109	110	=
WITH SI 256 GRAY SCALES	INPUT SIGNAL		<u>-</u>																												[	

Fig.54

ACY												U	J																		
ACCUR		7		9	CJ.	(0	ळा	<del>-</del>	121	~	$\overline{}$	त्य	ᅙ	_	一	2	ന	~	9	७	<b>∞</b>	-1	ıO	7	<u>∞</u>	9	و	<u></u>	7	<u>ල</u>	=
SIGNAL ACCURACY		DISPLAY ?	A1-C2	0.06	0.35	0.36	0.08	0.21	0.5	0.22	0.07	0.35	0.37	0.07	0.2	0.5	0.23	0.07	0.36	0.36	0.08	0.2	0.5	0.22	0.08	0.36	0.36	0.08	0.22	0.49	0.2
CUIT ERROR OF OUTPUT 220 GRAY SCALES \		DISPLAY 1	-C1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IT ERROR OF GRAY SC SJGNAL		0 , /	/ A1	96.12	69.96	97.54	98.68	99.41	99.98	101.12	102.13	102.7	103.54	104.7	105.42	105.99	107.12	108.14	8.71	9.56	10.7	1.43	112	3.14	4.14	4.72	5.58	116.72	17.43	118.02	119.16
CIRCUJ F 22C																$\Box$			9 108.	2 109.	5	7	1	3 11	6 11	8 11	=				
VTROL S. I. PAR'	-	_	$1-\beta$	0.88	0.31	0.73	0.16	0.59	0.02	0.44	0.87	0.3	0.73	0.15	0.58	0.01	0.44	0.86	0.29	0.72	0.15	0.57		0.43	0.86	0.28	0.71	0.14	0.57	0.99	0.42
3 GAIN CONTROL GI RAY SCALES 3NAL A2 FRACTIONAL PART (FRACTIONAL P				0.12	0.69	0.27	0.84	0.41	0.98	0.56	0.13	0.7	0.27	0.85	0.42	0.99	0.56	0.14	0.71	0.28	0.85	0.43	0	0.57	0.14	0.72	0.29	0.86	0.43	0.01	0.58
WITHOUT SUB GAIN CONTROL CIRCUIN  LES (147 GRAY SCALES EF  LES (SIGNAL A2  FRACTIONAL PART 220  FRACTIONAL PART (FRACTIONAL PART)	L		, β	64.12	64.69	65.27	65.84	66.41	86.99	67.56	68.13	68.7	69.27	69.85	70.42	70.99	71.56	72.14	72.71	73.28	73.85	74.43	75	75.57	76.14	76.72	77.29	77.86	78.43	79.01	79.58
3≅ ⊂			,	96.18	97.04	97.9	98.76	99.62	100.48	101.34	102.2	103.05	103.91	104.77	105.63	106.49	107.35	108.21	109.07	109.92	110.78	111.64	112.5	113.36	114.22	115.08	115.94	116.8	117.65	118.51	119.37
PART GRAY ONAL F			<u> </u>	0.82	96.0	0.55	0.12	0.38	0.76	0.33	0.8	0.975	0.545	0.115	0.37	0.755	0.325	0.79	0.965	0.54	0.11	0.36	0.75	0.32	0.78	96.0	0.53	0.1	0.35	0.745	0.315
CTION FRA	_		-	0.18	0.02	0.45	0.88	0.62	0.24	0.67	0.2	0.025	0.455	0.885	0.63	0.245	0.675	0.21	0.035	0.46	0.89	0.64	0.25	89.0	0.22	0.04	0.47	0.9	0.65	0.255	0.685
Y SCA SIĢNAL	_		١	64.18	65.02	65.45	65.88	66.62	67.24	67.67	68.2	69.025	69.455	69.885	70.63	71.245	71.675	72.21	73.035	73.46	73.89	74.64	75.25	75.68	76.22	77.04	77.47	77.9	78.65	79.255	79.685
<u> </u>		_		64.59	65.02	65.45	65.88	66.81	67.24	67.67	9.89	69.025	69.455	69.885	70.815	71.245	71.675	72.605	73.035	73.46	73.89	74.82	75.25	75.68	76.61	77.04	77.47	77.9	78.825	79.255	79.685
SUB GAIN CONTROL 220 GRAY SCALES COMPUTATION ( COMPUTATION (				64.18	65.04	62.9	92.99	66.62	67.48	68.34	68.2	69.05	69.91	70.77	70.63	71.49	72.35	72.21	73.07	73.92	74.78	74.64	75.5	76.36	76.22	77.08	77.94	78.8	78.65	79.51	80.37
320				96.18	97.04	97.6	98.76	99.65	100.48	101.34	102.2	103.05	103.91	104.77	105.63	106.49	107.35	108.21	109.07	109.92	110.78	111.64	112.5	113.36	114.22	115.08	115.94	116.8	117.65	118.51	119.37
WIT SCALES SIGNAL A	_			112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
WITH S 256 GRAY SCALES INPUT SIGNAL SIGNAL AT	Ł	<u>t</u>	L	l <u> </u>	I			<b>I</b>	<u> </u>					•																	

	ACY																														
	ACCUR		AY 2	C2	0.08	0.35	0.07	0.23	0.5	0.2	0.08	0.37	0.36	90.0	0.23	0.5	0.2	0.08	0.37	0.35	0.05	0.23	0.49	0.21	0.09	0.37	0.34	90.0	0.23	0.48	0.2
	3IGNAL		DISPLAY	A1-(																											
	CUIT ERROR OF OUTPUT SIGNAL ACCURACY 220 GRAY SCALES RT   SIGNAL C2		DISPLAY 1	A1-C1	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	r OR OF OU O GRAY S SIGNAL		,		20.15	121.6	122.74	123.44	124.02	125.18	126.16	26.73	127.6	128.76	129.45	130.04	131.2	132.17	32.74	33.62	134.78	135.46	136.06	137.2	138.18	38.75	9.64	40.78	1.47	142.08	143.22
	IRCUIT ERROF 220 PART (											_															139.	14	141		
	N CONTROL CIRCUI) SCALES ERR A2 STIONAL PART 229 FRACTIONAL PART	_	/	1 – B	0.85	0.7	0.13	0.56	0.99	0.41	0.84	0.27	0.7	0.12	0.55	0.98	0.4	0.83	0.26	0.69	0.11	0.54	0.97	0.4	0.82	0.25	0.68	0.11	0.53	0.96	0.39
	GAIN CONTROL CI RAY SCALES NAL A2 FRACTIONAL PART (FRACTIONAL)			В	0.15	0.3	0.87	0.44	0.01	0.59	0.16	0.73	0.3	0.88	0.45	0.02	9.0	0.17	0.74	0.31	0.89	0.46	0.03	9.0	0.18	0.75	0.32	0.89	0.47	0.04	0.61
	SUB 17 GF SIG				80.15	81.3	81.87	82.44	83.01	83.59	84.16	84.73	85.3	85.88	86.45	87.02	87.6	88.17	88.74	89.31	89.89	90.46	91.03	91.6	92.18	92.75	93.32	93.89	94.47	95.04	95.61
9	3				120.23	121.95	122.81	123.67	124.52	125.38	126.24	127.1	27.96	128.82	129.68	130.54	131.4	32.25	33.11	133.97	134.83	135.69	136.55	37.41	38.27	39.12	39.98	40.84	141.7	142.56	143.42
ro To	PAR PAR IAL (																														
Fig.56	TONAL PART WITHC 220 GRAY SCALES FRACTIONAL PART' (SIGNAL C1		1	$1-\alpha$	0.77	0.525	0.095	0.33	0.74	0.31	0.76	0.95	0.52	0.09	0.32	0.73	0.3	0.75	0.945	0.515	0.085	0.31	0.725	0.295	0.73	0.94	0.51	0.08	0.3	0.72	0.29
	5		1	α	0.23	0.475	0.905	0.67	0.26	0.69	0.24	0.05	0.48	0.91	0.68	0.27	0.7	0.25	0.055	0.485	0.915	0.69	0.275	0.705	0.27	90.0	0.49	0.92	0.7	0.28	0.71
	FRAV GRAY SCALES ) SIGNAL B1		. 1		80.23	81.475	81.905	82.67	83.26	83.69	84.24	85.05	85.48	85.91	86.68	87.27	87.7	88.25	89.055	89.485	89.915	90.69	91.275	91.705	92.27	93.06	93.49	93.92	94.7	95.28	95.71
	CIRCUIT ES 148 GR ION(1) FATION(2)				80.615		81.905	82.835	83.26	83.69	84.62	85.05	85.48	85.91	86.84	87.27	87.7	88.625	89.055		89.915		91.275	91.705	92.635	93.06	93.49	93.92	94.85	95.28	95.71
			$\dashv$		L_		Ш	Ш							88	54	88.4	1	_					_		12	98	84	94.7	26	42
	GAIN CONTROL CI 220 GRAY SCALES COMPUTATIO		_		80.23	81.95	82.81	82.67	83.52	84.38	84.24	85.1	85.96	86.82	86.68	87.54	88	88.25	89.11	89.97	90.83	90.69	91.55	92.41	92.27	93.12	93.98	94.84	76	95.56	96.42
		/ /		-	120.23	121.95	122.81	123.67	124.52	125.38	126.24	127.1	127.96	128.82	129.68	130.54	131.4	132.25	133.11	133.97	134.83	135.69	136.55	137.41	138.27	139.12	139.98	140.84	141.7	142.56	143.42
	WITH SUB GAIN CONTROL CALES (220 GRAY SCAI SIGNAL A1 (COMPUTA				141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167
	5		-																			$\Box$									
	WITH 256 GRAY SCALES INPUT SIGNAL \SIGNA																														

RACY																														
SIGNAL ACCURACY		4Y 2	C2	0.0	0.5 0.5 0.5	0.0	0.24	0.47	0.19	0.1	0.39	0.33	0.05	0.24	0.48	0.18	0.1	0.39	0.34	0.04	0.25	0.48	0.19	0.1	0.39	0.33	0.05	0.25	0.47	0.19
GNAL		1 DISPLAY	A1-(																											
	1 1			0	3	5 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
R OF OUTPUT GRAY SCALES SIGNAL C2		DISPLAY	1-01																											
R OF OUT GRAY SC SIGNAL		d /	Α1	18		0 0	1.5	=	24	19	92	89	82	48	1.1	26	3.2	7.7	89	84	49	12	.26	21	78	7.5	84	165.5	4	787
ره ق			$ \cdot $	144.18	144./0	143.00	1474	148	149.	150.	150.76	151.68	152.82	153.48	154.1	155.26	156.	156.77	157.68	158.84	159.	160.1	161.	162.	162.	163.	164.84	16	166.14	167.28
IRCUIT ERF PART 22		$\vdash$	8	.82	0.24	20.0	0.53	0.95	0.38	0.81	0.24	99.0	0.09	0.52	0.95	0.37	8.0	0.23	99.0	80.0	0.51	0.94	0.37	0.79	0.22	0.65	0.08	0.5	0.93	0.36
CIR ES AL P			1				L																							
SUB GAIN CONTROL CIRCUIN 147 GRAY SCALES SIGNAL A2 FRACTIONAL PART FRACTIONAL PART				0.18	0.0	20.0	047	0.05	0.62	0.19	0.76	0.34	0.91	0.48	0.05	0.63	0.2	0.77	0.34	0.92	0.49	0.06	0.63	0.21	0.78	0.35	0.92	0.5	0.0	0.64
IN CC GRAY IGNAI FRA			β	96.18	36.76	27.0	98.47	99.05	99.62	100.19	9/.	101.34	.91	48	.05	103.63	104.2	104.77	105.34	105.92	106.49	107.06	107.63	.21	108.78	109.35	109.92	110.5	.07	111.64
JB GA 147			$ \cdot $	96		<u> </u>	8	66	99	100	100.76	101	101.91	102.48	103.05	103	10	104	105	105	106	107	107	108.	108	109	9	=	111.07	티
7 UT SI LES (				144.28	45.14	146 05	147.71	8.57	9.43	50.29	51.15	52.01	152.87	153.72	154.58	55.44	156.3	57.16	158.02	158.88	59.74	160.6	61.45	62.31	63.17	164.03	64.89	165.75	166.61	167.47
G.57 WITHOUT RT GRAY SCALES NAL PART' ( SIGNAL, CI (	-	-		4	4	7	2	148	149.	15	15	15	15	15	15	15	-	15	15	15	15		16	16	16	16	9	16	19	16
			α	0.72	20.0	0.00	0 29	0.715	0.285	0.71	0.925	0.495	0.065	0.28	0.71	0.28	0.7	0.92	0.49	90.0	0.26	0.7	0.275	0.69	0.915	0.485	0.055	0.25	0.695	0.265
MAL P 220 RACTI			-	00 1				_		6				2	6	2	3	8	-	4	4	65		_						
<u> </u>		-		0.28	) [	0.00	0.71	0.285	0.71	0.29	0.075	0.505	0.935	0.72	0.29	0.72	0.3	0.08	0.51	0.94	0.74	0	0.725	0.3	0.085	0.515	0.945	0.75	0.305	0.735
S Z		$\vdash$	α	.28	10.78	97.0	98 71	99.285	99.715	100.29	075	505	935	102.72	103.29	103.72	104.3	105.08	105.51	105.94	106.74	107.3	.725	108.31	082	515	945	110.75	305	735
T GRAY (2) SIG		<u> </u>	-	96.	8		1	99	99.		101.075	101.505	101.935					10	10	I	100	Ξ	107		109.085	109.515	109.945			111.735
CUIT (1) (1) (0)				96.64	9/.0/	57.07.0	98.855	99.285	99.715	100.65	101.08	101.51	101.94	102.86	103.29	103.72	104.65	105.08	105.51	105.94	106.87	107.3	107.73	108.66	109.09	109.52	109.95	110.88	111.31	111.74
OL CIF					1		1	ı	1										ı	ŀ	- 1		2		-		6		_	$\dashv$
3 GAIN CONTROL CIRCU 220 GRAY SCALES 14 COMPUTATION (1				96.28	.   S	9000	98.7	99.57	100.43	100.2	101.1	102.01	102.87	102.7	103.5	104.44	104.	105.1	106.02	106.8	106.7	107.	108.4	108.3	109.1	110.0	110.8	110.7	111.6	112.4
AIN CAIN CAIN CAIN CAIN CAIN CAIN CAIN C				<u></u>	4 6	0 4 0	1=	L												ı		9.			-	33	89	12	1.0	=
SUB GAIN CONTROL CIRCUII 220 GRAY SCALES 148 A1 COMPUTATION (1)	-	-		144.28	145.14	146 05	147.71	148.57	149.43	150.29	151.15	152.01	152.87	153.72	154.58	155.44	156.3	157.16	158.02	158.88	159.74	160.6	161.45	162.31	163.17	164.03	164.89	165.75	166.61	167.47
WITH S 256 GRAY SCALES F SIGNAL				89	80;	7 7	12	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195
		_																										$\Box$		
6 GR/																														
256 GRAY INPUT SIGNAL																														
N																						•								

	URACY																														
	SIGNAL ACCURACY		DISPLAY 2		0.11	0.32	0.04	0.26	0.46	0.18	0.12	0.4	0.31	0.03	0.26	0.45	0.17	0.12	0.41	0.31	0.05	0.26	0.46	0.16	0.12	0.41	0.32	0.02	0.27	0.45	0.17
	15		1	1	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OF SC/		DISPLAY	A1-C1																											
	CUIT ERROR O GRAY IT (SIGI		1 /	,	168.21	169.72	170.86	171.5	172.16	173.3	174.22	174.8	175.74	176.88	177.51	178.18	179.32	180.23	180.8	181.76	182.9	183.52	184.18	185.34	186.24	186.81	187.76	188.92	189.53	190.2	191.34
	ROL CIRCUII ERI PARI 220 G		_	β	0.79	L		0.5	0.92	0.35	0.78	0.2	0.63	90.0	0.49	0.91	0.34	77.0	0.2	0.62	0.05	0.48	0.91	0.33	0.76	0.19	0.62	0.04	0.47	0.9	0.33
				-	0.21	0.36	0.93	0.5	0.08	0.65	0.22	8.0	0.37	0.94	0.51	0.09	99.0	0.23	8.0	0.38	0.95	0.52	0.09	0.67	0.24	0.81	0.38	96.0	0.53	0.1	0.67
	UT SUB GAIN CON147 GRAY SCALES SIGNAL C2 FRACTIONAL	_		8				.5	5.08 C			8.							<u>®</u> .											=	
	φ. m			-	112.21	113.36	113.93	114.5	115.0	115.65	116.22	116.8	117.37	117.94	118.51	119.09	119.66	120.23	120.8	121.38	121.95	122.52	123.09	123.67	124.24	124.81	125.38	125.96	126.53	127.1	127.67
8	SCALES 147			-	168.32 169.18	170.04	170.9	171.76	172.62	173.48	174.34	175.2	176.05	176.91	177.77	178.63	179.49	180.35	181.21	182.07	182.92	183.78	184.64	185.5	186.36	187.22	188.08	188.94	189.8	190.65	191.51
Fig.58	STIONAL PART Y 220 GRAY SCAL FRACTIONAL PART' ( SIGNAL C1			8	0.68	0.48	0.05	0.24	69.0	0.26	99.0	0.9	0.475	0.045	0.23	0.685	0.255	0.65	0.895	0.465	0.04	0.22	89.0	0.25	0.64	0.89	0.46	0.03	0.2	0.675	0.245
L	FRACTIONAL PART ES 20 GRAY B1 RACTIONAL F			-	0.32	L		0.76	0.31	0.74	0.34	0.1	0.525 0	0.955 0	77.0	0.315 0	0.745 0	0.35	0.105 0	0.535 0	96.0	0.78	0.32	0.75	0.36	0.11	0.54	0.97			0.755 0
	FRA( ALES AL B1			σ															$\Box$												
	GRAY SCALES		-	_	112.32	113.52	113.95	114.76	115.31	115.74	116.34	117.1	117.525	117.955	118.77	119.315	119.745	120.35	121.105	121.535	121.96	122.78	123.32	123.75	124.36	125.11	125.54	125.97	126.8	127.325	127.755
	& <u>\( \) \( \) \( \) \( \)</u>		_		112.66	113.52	113.95	114.88	115.31	115.74	116.67	117.1	117.53	117.96	118.89	119.32	119.75	120.68	121.11	121.54	121.96	122.89	123.32	123.75	124.68	125.11	125.54	125.97	126.9	127.33	127.76
	ONTROL CIRCUIT RAY SCALES 14 COMPUTATION(1) ( COMPUTATION				112.32	114.04	114.9	114.76	15.62	116.48	116.34	117.2	18.05	118.91	118.77	119.63	120.49	120.35	121.21	122.07	122.92	122.78	123.64	124.5	124.36	125.22	126.08	126.94	126.8	127.65	128.51
	CONTI GRAY COM		-	$\perp$	$\bot$										_													l			12.
	₈ <b>∀</b> ∕	_	1		168.32	170.04	170.9	171.76	172.62	173.48	174.34	175.2	176.05	176.91	17.77	178.63	179.49	180.35	181.21	182.07	182.92	183.78	184.64	185.5	186.36	187.22	188.08	188.94	189.8	190.65	191.
	WITH SUB 256 GRAY SCALES SIGNAL SIGNAL A			-	196	198	199	200	201	202	203	204	202	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
	6 GRAY					<u>_</u>				_l	l		l						l	l	_1			l		l					_]
	256 GRAY INPUT SIGNAL																														

	URACY																														
	SIGNAL ACCURACY	DISPLAY 2	1-C2	0.12	0.41	0.31	0.03	0.27	0.45	0.16	0.13	0.41	0.3	0.02	0.28	0.44	0.16	0.14	0.42	0.29	0.01	0.28	0.45	0.15	0.14	0.43	0.3	0	0.28	0.44	0.16
	=	1 D	A	0	0	0	0	0	0	0	ᇹ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUIT ERROR OF OUTPUT 220 GRAY SCALES RRT ( STGNAL C2	DISPLAY	A1-C1																					:							
	ROR GRA	/		192.25	192.82	193.78	194.92	5.54	196.22	97.36	198.25	198.83	199.8	200.94	201.54	202.24	203.38	204.26	204.83	205.82	206.96	207.55	208.24	209.4	210.27	210.84	211.82	212.98	213.56	214.26	215.4
	RCUITI ER 220 ART (		/	19	19	19	6	195.	19	19	19	19	-	20	20	20	20:	20	20	20	20	20	20	2	21	21	21	21	21	21	2
	ROL CII S L PART IONAL P		1 – B	0.75	0.18	0.61	0.04	0.46	0.89	0.32	0.75	0.17	0.0	0.03	0.46	0.88	0.31	0.74	0.17	0.59	0.02	0.45	0.88	0.3	0.73	0.16	0.59	0.01	0.44	0.87	0.3
	GRAY SCALES GRAY SCALES GNAL A2 FRACTIONAL PART 220 FRACTIONAL PART (	1	8	0.25	0.82	0.39	96.0	0.54	0.11	0.68	0.25	0.83	0.4	0.97	0.54	0.12	0.69	0.26	0.83	0.41	0.98	0.55	0.12	0.7	0.27	0.84	0.41	0.99	0.56	0.13	0.7
	SUE 47 SI	1 / /	1	128.25	128.82	129.39	129.96	130.54	131.11	131.68	132.25	132.83	133.4	133.97	134.54	135.12	135.69	136.26	136.83	137.41	137.98	138.55	139.12	139.7	140.27	140.84	141.41	141.99	142.56	143.13	143.7
	3			77	33	60	22	31	37	52	8	74	11	96	32	98	54	4	25	Ξ	97	33	99	55	=	27	12	86	34	7.	99
59	WIT SCALE PART' (	_		192.37	193.23	194.09	194.95	195.81	196.67	197.52	198.38	199.24	200.1	200.96	201.82	202.68	203.54	204.4	205.25	206.11	206.97	207.83	208.69	209.55	210.41	211.27	212.12	212.98	213.84	214.7	215.56
Fig. 59	IONAL PART WITH 220 GRAY SCALES FRACTIONAL PART' ( ( SIGNAL C1)	1	π –	0.63	0.885	0.455	0.025	0.19	0.665	0.24	0.62	0.88	0.45	0.02	0.18	99.0	0.23	9.0	0.875	0.445	0.015	0.17	0.655	0.225	0.59	0.865	0.44	0.01	0.16	0.65	0.22
هاجا	TION		1	0.37	0.115	0.545	0.975	0.81	0.335	0.76	0.38	0.12	0.55	0.98	0.82	0.34	77.0	0.4	0.125	0.555	0.985	0.83	0.345	0.775	0.41	0.135	0.56	0.99	0.84	0.35	0.78
	SCA GNA		α	128.37				18.	.335	.76	132.38	133.12	133.55	133.98	134.82	135.34	35.77	136.4	37.125	_		138.83		$\perp$	0.41	41.135	.56	141.99	142.84	143.35	143.78
	RAY SI		-	128	129.115	i 1	129.975	130.81	131	131					137			Ť	_	137.555	137.985		139.345	139.775	_		141	- 1		- 1	1
	) IRCUI 148 N(1) N(1)	_		128.69	129.12	129.55	129.98	130.91	131.34	131.76	132.69	133.12	133.55	133.98	134.91	135.34	135.77	136.7	137.13	137.56	137.99	138.92	139.35	139.78	140.71	141.14	141.56	141.99	142.92	143.35	143.78
				128.37	129.23	130.09	130.95	130.81	131.67	132.52	132.38	133.24	134.1	134.96	134.82	135.68	136.54	136.4	137.25	138.11	138.97	138.83	139.69	140.55	140.41	141.27	142.12	142.98	142.84	143.7	144.56
	GRAY			_	33			<u>=</u>	37			. ]	Ξ.					4	25						<del>-</del>	27			84		
	SU A1	1		192.37	193.23	194.09	194.95	195.81	196.67	197.52	198.38	199.24	200.1	200.96	201.82	202.68	203.54	204.4	205.25	206.11	206.97	207.83	208.69	209.55	210.41	211.27	212.12	212.98	213.84	214.7	215.56
	WITH SCALES SIGNAL		-	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251
	WIT 256 GRAY SCALES INPUT SIGNAL SIGNA																			_				I						_1	

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H C C	<u> </u>		L	6.2	216.85	217.84	219			尝			o
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WITHOUT SUB GAIN CONTROL CIRCUIT  ( 147 GRAY SCALES ERRC ES				144.28	144.85	145.42	146			ERROR OF OUTPUT SIGNAL ACCURACY		DISPLAY 1: $\Sigma (A1-C1)=0$	DISPLAY 2: $\Sigma (A1-C2) = 70.42$
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OL CIRCUIT FRACTIONAL PART 148 GRAY SCALES 220 GRAY SCALES ( N(1) FRACTIONAL PART ( TION (2) SIGNAL B1 ( SIGNAL B1)	_	<u> </u>	-	144.42	145.14	-							
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